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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/896,241	06/29/2001	Balaji Raghothaman	NC17514 (NOKI02-17514)	9166
30973 . 759	90 11/03/2004		EXAM	INER
SCHEEF & STONE, L.L.P. 5956 SHERRY LANE			DEANE JR, WILLIAM J	
SUITE 1400			ART UNIT	PAPER NUMBER
DALLAS, TX 75225		2642	,	

DATE MAILED: 11/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)		
	09/896,241	RAGHOTHAMAN, BALAJI		
Office Action Summary	Examiner	Art Unit		
	William J Deane	2642		
The MAILING DATE of this communication Period for Reply		ith the correspondence address		
A SHORTENED STATUTORY PERIOD FOR RITHE MAILING DATE OF THIS COMMUNICATION  - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication  - If the period for reply specified above is less than thirty (30) days,  - If NO period for reply is specified above, the maximum statutory properties of the period for reply will, by some standard patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, may a in. a reply within the statutory minimum of thireriod will apply and will expire SIX (6) MONstatute, cause the application to become Ab	reply be timely filed  ty (30) days will be considered timely.  NTHS from the mailing date of this communication.  BANDONED (35 U.S.C. § 133)		
Status				
1) Responsive to communication(s) filed on $\underline{0}$	03 January 2002.			
2a) ☐ This action is <b>FINAL</b> . 2b) ☑ This action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is				
closed in accordance with the practice und	der <i>Ex parte</i> Q <i>uayl</i> e, 1935 C.D	). 11, 453 O.G. 213.		
Disposition of Claims		•		
4) Claim(s) <u>1-20</u> is/are pending in the applica	ition			
4a) Of the above claim(s) is/are with				
5) Claim(s) is/are allowed.	ia. a.v. rom consideration.			
6)⊠ Claim(s) 1-20 is/are rejected.		-		
7) Claim(s) is/are objected to.				
8) Claim(s) are subject to restriction a	nd/or election requirement.			
Application Papers				
9)☐ The specification is objected to by the Exar	miner.			
10) The drawing(s) filed on is/are: a)		by the Examiner		
Applicant may not request that any objection to				
Replacement drawing sheet(s) including the co		- · ·		
11)☐ The oath or declaration is objected to by th				
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of:	eign priority under 35 U.S.C. §	3 119(a)-(d) or (f).		
1. Certified copies of the priority docum	nents have been received.			
2. Certified copies of the priority docum		pplication No		
3. Copies of the certified copies of the application from the International Bu	priority documents have been			
* See the attached detailed Office action for a	list of the certified copies not	received.		
Attachment(s)				
1) Notice of References Cited (PTO-892)	4) Interview S	Summary (PTO-413)		
<ol> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SE Paper No(s)/Mail Date</li> </ol>		s)/Mail Date  Iformal Patent Application (PTO-152)		
S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Office	ce Action Summary	Part of Paper No./Mail Date 20041019		

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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1 - 20 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S.

Patent Application No. 2002/0009156 (Hottinen et al.)

With respect to claim 1 note the Abstract and Fig. 2.

With respect to claims 2 – 10, note use of a sequence estimator, MAP detector, trellis structure (paragraphs 0130 – 0137.

With respect to claims 11 - 12, note paragraph 0090.

With respect to claim 13, note paragraph 0006.

With respect to claims 14 - 20 note the above.

## Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

U.S. Patent No. 6,452,981 (Raleigh et al.) – note cols. 4 – 6, 8 – 9, 11, 16, 19, 23, 26, 28 and 30;

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- U.S. Patent No. 5,488,635 (Chennakeshu et al.) note Abstract;
- U.S. Patent Application No. 2002/0141486 (Bottonley et al.) note Abstract and Figs.;
  - U.S. Patent Application No. 2002/0131490 (Allpress et al.) note Abstract.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bill Deane whose telephone number is (703) 306-5838. In addition, facsimile transmissions should be directed to Bill Deane at facsimile number (703) 872-9306.

19Oct04

MILLIAM J. DEANE, JR. PRIMARY EXAMINER